As a below named inventor, I declare that I believe I am an original, first and joint inventor of the inventor which is claimed and for which a patent is sought on the invention entitled:

28 Human Secreted Proteins

the specification of which was filed on May 11, 2001 as Application Serial No. 09/852,659.

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Prior Foreign Application(s)) :		Priority C	Claimed
			Yes	No
(Number)	(Country)	(Day/Month/Year Filed)		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

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1.	02-Feb-2001	60/265,583
2.	14-Mar-1997	60/040,762
3.	14-Mar-1997	60/040,710
4.	30-May-1997	60/050,934
5.	30-May-1997	60/048,100
6.	30-May-1997	60/048,357 ⁻
7.	30-May-1997	60/048,189
8.	05-Sep-1997	60/057,765
9.	06-Jun-1997	60/048,970
10.	19-Dec-1997	60/068,368

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09/152,060 (Application Serial No.	11 September 1998 (Filing Date)	Pending (Status: patented, pending, abandoned)
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Full name of additional firs	st joint inventor:	Steven M. Rube	en	
Inventor's signature: Residence: 18528 Heri	Alin	Iney, MD 20832	Date: 9/0 Citizenship:	<u> </u>
Full name of additional joi Inventor's signature: Residence: 22400 Roll Post Office Address:	la la	Craig A. Rosen tonsville, MD 20882	Date: 9//Y Citizenship:	//// US
Full name of additional joint Inventor's signature: Residence: 990-6 Alpine	Terrace, Sunnyvale,	Yi Li CA 94086	Date: Citizenship:	CN
Post Office Address: Full name of additional jo	same as above	Zhizhen Zeng		
Inventor's signature: Residence: 410 Shipwrigh Post Office Address:	nter Way, Lansdale, same as above	PA 19446	Date: Citizenship:	CN

Hla Kyaw
Date:
ick, MD 21703 Citizenship: Myanm
e
Carrie L. Fischer
S. Sixcher Date: 89.01-0
Virginia 22015 Citizenship: US
Haodong Li
Date:
Gaithersburg, MD 20878 Citizenship: CN
/e
Date: Centreville, VA 20120 Citizenship: VE Reiner L. Gentz
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Dilve, Rockvine, Wild 20030
Date:
keley, CA 94705 Citizenship: C
Reley, Cristia
Paul A. Moore
ve Germantown, MD 20874 Citizenship: C
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Full name of additional joint inventor:	Paul E. Young		
Inventor's signature:		Date:	
Residence: 122 Beckwith Street, Gaithe	rsburg, MD 20878	Citizenship:	<u>US</u> _
Post Office Address: same as above			<u> </u>
Full name of additional joint inventor:	John M. Greene		
• • • • • • • • • • • • • • • • • • • •		Date:	
Inventor's signature:			US
Residence: 872 Diamond Drive Gaither	rsburg, MD 20878	Citizenship:	<u> </u>
Post Office Address: same as above			
Full name of additional joint inventor:	Ann M. Ferrie		
		Date:	
Inventor's signature: Residence: 120 Fox Run Drive Tewkst	wry MA 01876	Citizenship:	US
	July, 14171 01070		
Post Office Address: same as abov	е		

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Full name of additional first joint inventor:	Steven M. Ruben
Inventor's signature: Residence: 18528 Heritage Hills Drive, Olne Post Office Address: same as above	Date: ey, MD 20832 Citizenship: US
Full name of additional joint inventor:	raig A. Rosen
	Date:
Inventor's signature: Residence: 22400 Rolling Hills Lane, Layton	nsville, MD 20882 Citizenship: US
Post Office Address: same as above	
Full name of additional joint inventor: Inventor's signature: Residence: 990-6 Alpine Terrace, Sunnyvale, Compost Office Address: same as above	Date: 9/28/0
Full name of additional joint inventor:	Chizhen Zeng Date:
Inventor's signature:	(2)
Residence: 410 Shipwrighter Way, Lansdale, P	A 19440 Chizonomp.
Post Office Address: same as above	

Full name of additional j	oint inventor:	Hla Kyaw		
full name of additionary			Date:	
nventor's signature:		NAD 21703		yanmar
nventor's signature: Residence: <u>520 Sugarbu</u>	sh Circle Frederick,	MD 21703	1	
ost Office Address:	same as above			
	:-it inventor:	Carrie L. Fischer		
Full name of additional	Joint inventor.		_	
			Date:	TIC
Inventor's signature:	all Street, Burke, Vi	rginia 22015	Citizenship:	<u>US</u>
	same as above			
Post Office Address:	Starre de la			
		· T ·		
Full name of additional	joint inventor:	Haodong Li		
			Date:	
Inventor's signature:	- Di Coi	thorshurg MD 20878	Citizenship:	_CN_
	Rutledge Drive, Gai	thersburg, MD 20878		
Post Office Address:	same as above	<u>·</u>		
Full name of additiona	d joint inventor:	Daniel R. Soppet		
Full name of additiona	ii joine in vezve	:	D 4	
Inventor's signature:			Date:	US
Residence: 15050	Stillfield Place, Ce	entreville, VA 20120	Citizenship:	_00_
Post Office Address:	same as above			
Fost Office Hadress				
		Reiner L. Gentz		
Full name of addition	al joint inventor:	Reiner L. Gentz		
			Date:	
Inventor's signature:	D wast D	rive, Rockville, MD 2085	0 Citizenship:	DE
	same as above	nive, Rockvine, 112		
Post Office Address:	same as above	,		
Full name of addition	nal joint inventor:	Ying-Fei Wei		
Full hame of addition	· · · · · · · · · · · · · · · · · · ·		Date:	
Inventor's signature:			Citizenship:	CN
Residence: 242 G	Gravatt Drive, Berke	eley, CA 94705	Citizensing.	
Post Office Address:	same as abov	e		
1 000 0 22230				
		Paul A. Moore		
Full name of additio	nal joint inventor:	raul A. Moore		
	•		Date: _	
Inventor's signature:	og T 4h sub-sule Duiy	re Germantown, MD 208°	74 Citizenship	: GI
	US Leatnerbark Driv	VA	· ·	
Post Office Address:	same as abo	V C		

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Full name of additional joint inventor: Paul E. Young		
Inventor's signature: Residence: 122 Beckwith Street, Gaithersburg, MD 20878 Post Office Address: same as above	Date: Citizenship:	US
Full name of additional joint inventor: John M. Greene		
	Date:	
Inventor's signature: Residence: 872 Diamond Drive Gaithersburg, MD 20878	Citizenship:	US
Residence: 872 Diamond Drive Gaithersburg, ND 20070 Post Office Address: same as above		
Full name of additional joint inventor: Ann M. Ferrie	Data	
Inventor's signature:	Date: Citizenship:	US
Residence: 120 Fox Run Drive Tewksbury, MA 018/0	Chizenship.	
Post Office Address: same as above		

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Inventor's signature:			Date:	
Residence: 18528	Heritage Hills Drive, (Olney, MD 20832	Citizenship:	US
Post Office Address:	same as above			-
Full name of addition	al joint inventor:	Craig A. Rosen		
Inventor's signature:			Date:	
Residence: 22400	Rolling Hills Lane, La	ytonsville, MD 20882	Citizenship:	US
Post Office Address:	same as above			

Full name of addition	al joint inventor:	Yi Li		
Inventor's signature:			Date:	
Residence: 990-6 Alı	pine Terrace, Sunnyvale	, CA 94086	Citizenship:	CN
Post Office Address:	same as above			
Full name of addition	al joint inventor:	Zhizhen Zeng		
Inventor's signature:			Date:	
	wrighter Way, Lansdale	, PA 19446	Citizenship:	CN
Post Office Address:	same as above			

Full name of additional joint inventor: Hla Kyaw		
Lessands als signs of types	Date:	
Inventor's signature: Residence: 520 Sugarbush Circle Frederick, MD 21703	Citizenship:	Myanmar
Post Office Address: same as above	*	
Fost Office Address.		
Full name of additional joint inventor: Carrie L. Fischer		
Inventor's signature:	Date:	
Residence: 5810 Hall Street, Burke, Virginia 22015	Citizenship:	_US
Post Office Address: same as above		
Full name of additional joint inventor: Haodong Li		
Inventor's signature:	Date:	
Residence: 11033 Rutledge Drive, Gaithersburg, MD 20878	Citizenship:	CN
Post Office Address: same as above	-	
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Full name of additional joint inventor: Daniel R. Soppet		
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Inventor's signature:	Date: 4	8/29/0
Residence: 15050 Stillfield Place, Centreville, VA 20120	Citizenship:	US
Post Office Address: same as above		
Full name of additional joint inventor: Reiner L. Gentz		
Y and the simulations	Date:	
Inventor's signature: Residence: 13608 Mount Prospect Drive, Rockville, MD 208		DE
Post Office Address: same as above	•	
Fost Office Address.		
Ving Foi Woi		
Full name of additional joint inventor: Ying-Fei Wei		
Inventor's signature:	Date:	CNI
Residence: 242 Gravatt Drive, Berkeley, CA 94705	Citizenship	: <u>CN</u>
Post Office Address: same as above		
Full name of additional joint inventor: Paul A. Moore		
Inventor's signature:	Date:	
Residence: 19005 Leatherbark Drive Germantown, MD 208	74 Citizenship	: GB
Post Office Address: same as above		

Full name of additional joint inventor	: Paul E. Young		
Inventor's signature:		Date:	
Residence: 122 Beckwith Street, G	Saithersburg, MD 20878	Citizenship:	<u>US</u>
Post Office Address: same as a			
Full name of additional joint inventor	: John M. Greene		
Inventor's signature:		Date:	
Residence: 872 Diamond Drive Ga	aithersburg, MD 20878	Citizenship:	US
Post Office Address: same as abo			<u> </u>
Full name of additional joint inventor	r: Ann M. Ferrie		
Inventor's signature:		Date:	
Residence: 120 Fox Run Drive Te	wksbury, MA 01876	Citizenship:	US
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Post Office Address:	same as above			
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Full name of additional jo	oint inventor:	Hla Kyaw		
F	~~~	→ :	Date: Q	9/04
Inventor's signature:	Civala Employale	MD 21702	Citizenship:	Myanmar
Residence: 520 Sugarbus		IVID 21703	Chizenship.	Wiyamiiai
Post Office Address:	same as above			
Full name of additional jo	nint inventor:	Carrie L. Fischer		
run name of additional jo	ome myeneor.			<u></u>
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Residence: 5810 Hall	Street, Burke, Virg	ginia 22015	_ Citizenship:	<u>US</u>
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Turnetania giamatuma:			Date:	
Inventor's signature: Residence: 15050 St	illfield Place, Centr	reville VA 20120	Citizenship:	US
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Fost Office Address.	Same us uoovo			
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run name of additional j	omt in ventor.			
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Inventor's signature:			Date:	
Residence: 242 Grav	att Drive, Berkeley	, CA 94705	_ Citizenship:	<u>CN</u>
Post Office Address:	same as above			
		D. I.A. Manus		
Full name of additional j	oint inventor:	Paul A. Moore		
Inventor's signature:			Date:	
	eatherbark Drive Ge	ermantown, MD 20874	Citizenship:	GB
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	A. D. Francis		
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Inventor's signature:		Date:	
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(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

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Steven M. Rul	oen	
	Date:	
ney, MD 20832	Citizenship:	US
Craig A. Rosen		
	Date:	
onsville, MD 20882	Citizenship:	US
Yi Li	Date:	
CA 94086	Citizenship:	CN
Zhizhen Zeng		
	Date:	
A 19446	Citizenship:	CN
	Craig A. Rosen Onsville, MD 20882 Yi Li CA 94086 Chizhen Zeng	Craig A. Rosen Date: Onsville, MD 20882 Citizenship: Mi Li Date: CA 94086 Chizhen Zeng Date:

Full name of additional joint inventor:	Hla Kyaw		
Inventor's signature:		Date:	
Residence: 520 Sugarbush Circle Frederick, M	D 21703	Citizenship:	Myanmar
Post Office Address: same as above		•	-
		· ·	
Full name of additional joint inventor:	Carrie L. Fischer	· · · · · · · · · · · · · · · · · · ·	
Inventor's signature:		Date:	
Residence: 5810 Hall Street, Burke, Virgin	ia 22015	Citizenship:	US
Post Office Address: same as above		<u> </u>	
Full name of additional joint inventor:	Haodong Li		·
Inventor's signature:		Date:	9/01/01
Residence: 11033 Rutledge Drive, Gaither	sburg, MD 20878	Citizenship:	ĆN
Post Office Address: same as above		_	
Full name of additional joint inventor: Inventor's signature: Residence: 15050 Stillfield Place, Centrey Post Office Address: same as above	ville, VA 20120	Date: Citizenship:	US
Full name of additional joint inventor:	Reiner L. Gentz		
Inventor's signature:		Date:	
Residence: 13608 Mount Prospect Drive, l	Rockville, MD 20850	_ Citizenship:	_DE
Post Office Address: same as above			
Full name of additional joint inventor:	Ying-Fei Wei		
Inventor's signature:		Date:	
Residence: 242 Gravatt Drive, Berkeley, C	CA 94705	_ Citizenship:	CN
Post Office Address: same as above		·	
Full name of additional joint inventor:	Paul A. Moore		
Inventor's signature:		Date:	
Residence: 19005 Leatherbark Drive Gern	nantown, MD 20874	Citizenship:	GB
Post Office Address: same as above		- 1	

Paul E. Young Full name of additional joint inventor: Date: Inventor's signature: 122 Beckwith Street, Gaithersburg, MD 20878 US Citizenship: Residence: Post Office Address: same as above Full name of additional joint inventor: John M. Greene Date: Inventor's signature: US 872 Diamond Drive Gaithersburg, MD 20878 Citizenship: Residence: same as above Post Office Address: Full name of additional joint inventor: Ann M. Ferrie Date: Inventor's signature: 120 Fox Run Drive Tewksbury, MA 01876 Citizenship: US Residence: Post Office Address: same as above

As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

28 Human Secreted Proteins

ecification of which was filed on May 11, 2001 as Application Serial No. 09/852,659.

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Prior Foreign Application(s):		• •	Priority (Claimed
			Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	•	· i

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Full name of additional first joint inventor:	Steven M. Rub	en	,
Inventor's signature:		Date:	
Residence: 18528 Heritage Hills Drive,	Olney, MD 20832	Citizenship:	US
Post Office Address: same as above			
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Inventor's signature:		Date:	
Residence: 22400 Rolling Hills Lane, La	ytonsville, MD 20882	Citizenship:	US
Post Office Address: same as above		_	-
Full name of additional joint inventor: Inventor's signature:	Yi Li	Date:	
Residence: 990-6 Alpine Terrace, Sunnyvale	e, CA 94086	Citizenship:	CN
Post Office Address: same as above			•
Full name of additional joint inventor:	Zhizhen Zeng		
Inventor's signature:		Date:	
Residence: 410 Shipwrighter Way, Lansdale	e, PA 19446	Citizenship:	_CN_
Post Office Address: same as above			

Full name of additional joint inventor: Hla K	yaw	
Inventor's signature:	Date:	
Residence: 520 Sugarbush Circle Frederick, MD 21		Myanmar
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1 OSt Office Address. Same as above		
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Residence: 5810 Hall Street, Burke, Virginia 220	015 Citizenship:	US
Post Office Address: same as above		
		•
Full name of additional joint inventor: Haodo	ong Li	
	Data	
Inventor's signature:	Date:	CNI
Residence: 11033 Rutledge Drive, Gaithersburg,	MD 20878 Citizenship:	<u>CN</u>
Post Office Address: same as above		*
Full name of additional joint inventor: Danie	el R. Soppet	
Tun name of additional joint inventor.	A IX. Supper	
Inventor's signature:	Date:	
Residence: 15050 Stillfield Place, Centreville, V	A 20120 Citizenship:	US
Post Office Address: same as above		
·		
Full name of additional joint inventor: Reine	r L. Gentz	<u>.</u>
Inventor's signature:	Date:	
Residence: 13608 Mount Prospect Drive, Rockvi	ille, MD 20850 Citizenship:	<u>DE</u>
Post Office Address: same as above		•
Full name of additional joint inventor: Ying-	Fei Wei	
run name of additional joint inventor.	rei vvei	1/ /
Inventor's signature:	Date:	וכאטא
Residence: 242 Gravatt/Drive, Berkeley, CA 947		CN
Post Office Address: same as above		
same as above		
Full name of additional joint inventor: Paul A	A. Moore	
Inventor's signature:	Date:	
Residence: 19005 Leatherbark Drive Germantow	n, MD 20874 Citizenship:	GB
Post Office Address: same as above		

PZ003P4

Full name of additional joint inventor: Paul E. Young	· · · · · · · · · · · · · · · · · · ·
Inventor's signature:	Date:
Residence: 122 Beckwith Street, Gaithersburg, MD 20878	Citizenship: US
Post Office Address: same as above	
Full name of additional joint inventor: John M. Greene	
Inventor's signature:	Date:
Residence: 872 Diamond Drive Gaithersburg, MD 20878	Citizenship: US
Post Office Address: same as above	
Full name of additional joint inventor: Ann M. Ferrie	
Inventor's signature:	Date:
Residence: 120 Fox Run Drive Tewksbury, MA 01876	Citizenship: US
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Inventor's signature:			Date:	
	ritage Hills Drive, C	Olney, MD 20832	Citizenship:	US
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	ling Hills Lane, Lay	tonsville, MD 20882	Citizenship:	US
Post Office Address:	same as above		-	
Full name of additional jo	oint inventor:	Yi Li		
Inventor's signature:			Date:	
Residence: 990-6 Alpine	Terrace, Sunnyvale,	, CA 94086	Citizenship:	CN
Post Office Address:	same as above			
Full name of additional jo	oint inventor:	Zhizhen Zeng		
Inventor's signature:	Thomas	137	Date: 27-	06-2001
Residence: 410 Shipwrigh	hter Way, Lansdale,	PA 19446	Citizenship:	CN
Post Office Address:	same as above			

PZ003P4

. Š

Full name of additional joint inventor: Hla K	yaw
Increase all aigmentures	Date:
Inventor's signature: Residence: 520 Sugarbush Circle Frederick, MD 21	
Post Office Address: same as above	705 Citizensinp. iviyanina
Post Office Address: Same as above	
Full name of additional joint inventor: Carr	ie L. Fischer
Inventor's signature:	Date:
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Inventor's signature:	Date:
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Inventor's signature:	Date:
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Post Office Address: same as above	

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	ost Office Address: same as above			
Full name of a	additional	joint inventor: John M. Greene		
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		mond Drive Gaithersburg, MD 20878	Citizenship:	US
Post Office Ac		same as above		
Full name of	additional	joint inventor: Ann M. Ferrie		
Inventor's sign	ature:		Date:	
Residence:		Run Drive Tewksbury, MA 01876	Citizenship:	US
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full name of additional first joint inventor:		Steven M. Rub	oen	
Inventor's signature:			Date:	
Residence: 18528 Heritage Hill	s Drive, Olney.	MD 20832	Citizenship:	US
Post Office Address: same as a				
Full name of additional joint inven	tor: <u>Cra</u>	ig A. Rosen		
Inventor's signature:			Date:	
Residence: 22400 Rolling Hills	Lane, Laytonsv	ille, MD 20882	Citizenship:	US
Post Office Address: same as a				
Full name of additional joint inven Inventor's signature:	tor: Yil	Li	Date:	
Residence: 990-6 Alpine Terrace, S	Suppovale CA	94086	Citizenship:	CN
Post Office Address: same as				
Full name of additional joint inven	tor: Zhi	zhen Zeng	<u> </u>	
Inventor's signature:			Date:	
Residence: 410 Shipwrighter Way,	Lansdale, PA 1	9446	Citizenship:	CN
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E. H	Carrie L. Fischer		
Full name of additional joint inventor:	Carrie L. Fischer		
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Post Office Address: same as above			
E-11 of additional joint inventors	Daniel R. Soppet		
Full name of additional joint inventor:	Daniel R. Sopper	· · · · · · · · · · · · · · · · · · ·	
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Post Office Address: same as above			
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Post Office Address: same as above	110,1100111110,1112		
Tost Office Address.			
	Ving Foi Woi		
Full name of additional joint inventor:	Ying-Fei Wei	 	
Inventor's signature:		Date: _	
Residence: 242 Gravatt Drive, Berkel	ley, CA 94705	_ Citizenship:	_CN_
Post Office Address: same as above			
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Inventoria gianoturo:		Date:	
Inventor's signature: Residence: 19005 Leatherbark Drive	Germantown, MD 20874	Citizenship	: GB
Post Office Address: same as above			

Full name of a	dditional joi	int inventor:	Paul E. Young		
Inventor's signa Residence:		rith Street, Gaith	ersburg, MD 20878	Date: /o/2/0	/o/
Post Office Add	dress:	same as abov	re U		
Full name of a	dditional jo	int inventor:	John M. Greene		
Inventor's signa				Date:	
Residence:	872 Diamo	ond Drive Gaithe	ersburg, MD 20878	Citizenship:	US
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Full name of a	dditional jo	int inventor:	Ann M. Ferrie		
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Inventor's signature:			Date:	
	eritage Hills Drive,	Olney, MD 20832	Citizenship:	US
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Full name of additional j	oint inventor:	Craig A. Rosen		
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Residence: 5810 Hall Street, Burke, Virginia 22015	Citizenship:	US
Post Office Address: same as above	^	
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As a below named inventor, I declare that I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

28 Human Secreted Proteins

the specification of which was filed on May 11, 2001 as Application Serial No. 09/852,659.

NOV 0 9 2001

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):		Priority C	Claimed
			Yes	No
(Number)	(Country)	(Day/Month/Year Filed)		

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

	Filing Date	Appln Number
1.	02-Feb-2001	60/265,583
2.	14-Mar-1997	60/040,762
3.	14-Mar-1997	60/040,710
4.	30-May-1997	60/050,934
5.	30-May-1997	60/048,100
6.	30-May-1997	60/048,357
7.	30-May-1997	60/048,189
8.	05-Sep-1997	60/057,765
9.	06-Jun-1997	60/048,970
10.	19-Dec-1997	60/068,368

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(b) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as

1

09/152,060	11 September 1998	Pending
(Application Serial No.	(Filing Date)	(Status: patented, pending, abandoned)
PCT/US98/04858	12 March 1998	Pending
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: James H. Davis (Reg. No. 40,582), Kenley Hoover (Reg. No. 40,302), Joseph Kenny (Reg. No. 43,710), Jonathan L. Klein (Reg. No. 41,119), Michele Wales (Reg. No. 43,975) and Mark J. Hyman (Reg. No. 46,789) of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20878.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of additional join	nt inventor:	Paul A. Moore		
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